

## CHAPTER SIX

### CLUTCH AND PRIMARY DRIVE GEAR

This chapter describes service procedures for the following subassemblies:

1. Clutch cover.
2. Clutch lever.
3. Centrifugal clutch and primary drive gear.
4. Change clutch.

The clutch cover, clutch and primary drive gear assemblies can be serviced with the engine mounted in the frame. However, because of the engine's mounting position in the frame, some of the illustrations in this chapter depict the engine removed from the frame for clarity.

Service specifications are listed in **Tables 1-3**. **Tables 1-4** are located at the end of the chapter.

#### ESP REDUCTION GEARS (FE AND TE MODELS)

FE and TE models are equipped with a reduction gear set that transfers shift motor rotation to the sub-gearshift spindle.

#### Removal/Installation/Inspection

1. Remove the angle sensor as described in Chapter Nine.
2. Remove the shift motor as described in Chapter Nine.

#### CAUTION

*The gear cover is not secure after the shift motor is removed and may fall out.*

3. Remove the gear cover (**Figure 1**).
4. Remove the sector gear (A, **Figure 2**), upper gear (B) and center gear (C).
5. Remove the O-ring (D, **Figure 2**).
6. If necessary, remove the dowel pin.
7. Clean and inspect the gears for excessive wear and damage.
8. Inspect the bearings in the clutch cover and gear cover. Replace the bearings if they are excessively worn or damaged.

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